## AP3 Rec'd PCT/PTO 02 MAY 2005

FORM PTO-1390 (REV. 01-2003)

US DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE

TRANSMITTAL LETTER TO THE UNITED STATES **DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371** 

ATTORNEY'S DOCKET NUMBER 127929

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) New U.S. National Stage of PCT/JP2004/018684

INTERNATIONAL APPLICATION NO. PCT/JP2004/018684			INTERNATIONAL FILING DATE December 8, 2004	PRIORITY DATE CLAIMED December 12, 2003						
TITLE OF INVENTION VALVE GEAR										
APPLICANTS FOR DO/EO/US Yasushi KUSAKA; Toshiaki ASADA; Shuichi EZAKI; Kimitoshi TSUJI										
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:										
1.	$\boxtimes$	This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.								
2.		This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.								
3.	$\boxtimes$	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.								
4.	$\boxtimes$	The US has been elected (Article 31).								
<b>5</b> .	$\boxtimes$	A copy of the International Application as filed (35 U.S.C. 371(c)(2))								
	•	a.   is attached hereto (required only if not communicated by the International Bureau).								
		b.  has been communicated by the International Bureau.								
		c.								
6.	$\boxtimes$	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))								
		a.  is attached hereto.								
3		b.  has been previously submitted under 35 U.S.C. 154(d)(4).								
•		c.   The International Application	n was filed in English.							
7.		Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))								
		a.  are attached hereto (required only if not communicated by the International Bureau).								
		b.  have been communicated by the International Bureau.								
		c. $\square$ have not been made; however, the time limit for making such amendments has NOT expired.								
		d.	Il not be made.							
8. 🗦		An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).								
9.	$\boxtimes$	An oath or declaration of the inventors (35 U.S.C. 371(c)(4)).								
10.	⊠	An English language translation of the annexes of the International Preliminary Report on Patentability under PCT Article 36 (35 U.S.C. 371(c)(5)).								
Items	s 11 t	to 20 below concern document(s)	or information included:							
11.	$\boxtimes$	An Information Disclosure Stateme	nt under 37 CFR 1.97 and 1.98.							
12.	$\boxtimes$	An assignment document for record	ding. A separate cover sheet in co	mpliance with 37 CFR 3.28 and 3.31 is included.						
13.	$\boxtimes$	A preliminary amendment.								
14.	$\boxtimes$	An Application Data Sheet under 37 CFR 1.76.								
15.		A substitute specification.								
16.	$\boxtimes$	A power of attorney and/or change of address letter.								
17.		A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.								
18.		A second copy of the published international application under 35 U.S.C. 154(d)(4).								
19.		A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).								
20.	$\boxtimes$	Other items or information: a copy Power of Attorney.	of the International Search Report	s attached hereto; Designation of Ten Attorneys for						

### CALCULATIONS PTO USE ONLY	U.S. APPLICATION NO. (if known, New U.S. National/Stage of PCT/JP2004/04/8684	see 37 C.F.R. 1.5)	ATTORNEY'S DOCKET NUMBER 127929								
SEARCH FEE (37 CFR 1.492(b)(1)-(3)): International preliminary examination for or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the actional stage			CALCULATIONS	PTO USE ONLY							
SEARCH FEE (37 CFR 1.492(b)(1)-(3)): International preliminary examination for or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the actional stage											
SEARCH FEE (37 CFR 1.492(b)(1)-(3)): International preliminary examination for or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the actional stage											
International preliminary examination report or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelly, inventive step, and industrial applicability for all claims presented in the application entering the national stage											
the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national stage	SEARCH FEE (37 CFR 1.4	92(b)(1)-(3)):			\$400.00						
International search report provided to USPTO no later than the time at which the search fee is paid	the USPTO as IPEA or ISA industrial applicability for all	A and favorable as to I claims presented in									
the search fee is paid	International search fee (37 CFR 1.445(a)(2)) paid to USPTO as ISA										
EXAMINATION FEE (37 CFR 1.492(c)(1)-(2)):  International preliminary examination report or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national stage	International search report provided to USPTO no later than the time at which the search fee is paid										
EXAMINATION FEE (37 CFR 1.492(c)(1)-(2)):  International preliminary examination report or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national stage	All situations not provided for	or above		\$ 500.00							
the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national stage					\$200.00						
the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national stage											
Sucharge of \$130.00 for furnishing the search fee, the examination fee or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).  TOTAL PAGES OF APPLICATION OVER  0 + 50	the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the										
Sucharge of \$130.00 for furnishing the search fee, the examination fee or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).  TOTAL PAGES OF APPLICATION OVER  0 + 50	All situations not provided for	or above		\$ 200.00							
declaration after the date of commencement of the national stage (37 CFR 1.492(h)).	Surcharge of \$130.00 for fu	rnishing the search	fee, the examination fe	e or the oath or	\$						
APPLICATION OVER 100   9 + 50   = †0   x 250 = \$    TOU (49 - 100)   100   49 - 100   100	declaration after the date of	commencement of	the national stage (37	CFR 1.492(h)).							
CLAIMS   NUMBER FILED   NUMBER EXTRA   RATE   \$ TOTAL CLAIMS   10 - 20   = 0   x 50.00 = \$   NDEPENDENT CLAIMS   3 - 3   = 0   x 200.00 = \$   MULTIPLE DEPENDENT CLAIM(S)(if applicable)   + 360.00 = \$   MULTIPLE DEPENDENT CLAIM(S)(if applicable)   + 360.00 = \$   TOTAL OF ABOVE CALCULATIONS   \$900.00     Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are   \$900.00     Processing fee of \$130.00 for furnishing the English translation later than 30 months from   \$100.00     Processing fee of \$130.00 for furnishing the English translation later than 30 months from   \$100.00     Processing fee of \$130.00 for furnishing the English translation later than 30 months from   \$100.00     Processing fee of \$130.00 for furnishing the English translation later than 30 months from   \$100.00     Processing fee of \$130.00 for furnishing the English translation later than 30 months from   \$100.00     Processing fee of \$130.00 for furnishing the English translation later than 30 months from   \$100.00     Processing fee of \$130.00 for furnishing the English translation later than 30 months from   \$100.00     Processing fee of \$130.00 for furnishing the English translation later than 30 months from   \$100.00     Processing fee of \$130.00 for furnishing the English translation later than 30 months from   \$100.00     Processing fee of \$130.00 for furnishing the English translation later than 30 months from   \$100.00     Processing fee of \$130.00 for furnishing the English translation to he above fees   \$100.00     Processing fee of \$130.00 for furnishing the English translation to he from   \$100.00     Processing fee of \$130.00 for furnishing the English translation to he from   \$100.00     Processing fee of \$130.00 for furnishing the English translation to he from   \$100.00     Processing fee of \$130.00 for furnishing the English translation to he from   \$100.00     Processing fee of \$130.00 for furnishing the English translation than \$100.00     Processing fee of \$130.00 for furnishing the English tra	APPLICATION OVER	0 ÷ 50	= †0	x 250 =	\$						
TOTAL CLAIMS  10 - 20											
NDEPENDENT CLAIMS   3 - 3   = 0   x 200.00 = \$											
MULTIPLE DEPENDENT CLAIM(S)(if applicable)											
TOTAL OF ABOVE CALCULATIONS = \$900.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.  SUBTOTAL = \$900.00  Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  TOTAL NATIONAL FEE = \$900.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +  TOTAL FEES ENCLOSED = \$900.00  Amount to be refunded: \$ charged: \$  a.  Check No. 179472 in the amount of \$900.00 to cover the above fees is enclosed.  b. Please charge my Deposit Account No. in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0461. A duplicate copy of this sheet is enclosed.  d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC Customer Number: 25944  MAME: James A. Oliff REGISTRATION NUMBER: 27,075			<u> </u>	<del></del>							
Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.  SUBTOTAL = \$900.00  Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  TOTAL NATIONAL FEE = \$900.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$900.00  Amount to be refunded: \$ charged: \$  a.  Check No. 179472 in the amount of \$900.00 to cover the above fees is enclosed.  b. Please charge my Deposit Account No. in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0461. A duplicate copy of this sheet is enclosed.  d.  Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC Customer Number: 25944  NAME: James A. Oliff REGISTRATION NUMBER: 27,075	MULTIPLE DEPENDENT C										
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  TOTAL NATIONAL FEE   \$900.00   Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$  TOTAL FEES ENCLOSED = \$900.00   Amount to be refunded: \$ charged: \$  a.   Check No. 179472 in the amount of \$900.00 to cover the above fees is enclosed. b.   Please charge my Deposit Account No. in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed. c.   The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0461. A duplicate copy of this sheet is enclosed. d.   Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC Customer Number: 25944   NAME: James A. Oliff REGISTRATION NUMBER: 27,075	Applicant claims small		•								
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).    TOTAL NATIONAL FEE = \$900.00	reduced by ½.	entity status. See 3	•								
the earliest claimed priority date (37 CFR 1.492(i)).    TOTAL NATIONAL FEE = \$900.00			***************************************								
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +  TOTAL FEES ENCLOSED = \$900.00  Amount to be refunded: \$ charged: \$  a.  Check No. 179472 in the amount of \$900.00 to cover the above fees is enclosed.  b.  Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0461. A duplicate copy of this sheet is enclosed.  d.  Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC Customer Number: 25944  MAME: James A. Oliff REGISTRATION NUMBER: 27,075  NAME: Jesse O. Collier			2(i)).								
accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$900.00    Amount to be refunded: \$ charged: \$					******						
Amount to be refunded: \$  a.					\$						
a.			\$900.00								
a.					Amount to be						
a.  Check No. 179472 in the amount of \$900.00 to cover the above fees is enclosed.  b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0461. A duplicate copy of this sheet is enclosed.  d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC Customer Number: 25944  REGISTRATION NUMBER: 27,075  NAME: James A. Oliff REGISTRATION NUMBER: 27,075					refunded:	<b>}</b>					
b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c. \[ \text{The Commissioner}\] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. \(\frac{15-0461}{0.0000}\). A duplicate copy of this sheet is enclosed.  d. \[ \text{Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO:  OLIFF & BERRIDGE, PLC  Customer Number: 25944  REGISTRATION NUMBER: 27,075  Date \( \text{May 2, 2006} \)  NAME: Jesse O. Collier				<u></u>		\$					
Deposit Account No. 15-0461. A duplicate copy of this sheet is enclosed.  d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC Customer Number: 25944  NAME: James A. Oliff REGISTRATION NUMBER: 27,075  Date May 2, 2006  NAME: Jesse O. Collier	b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.										
information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC Customer Number: 25944  NAME: James A. Oliff REGISTRATION NUMBER: 27,075  Date May 2, 2006  NAME: Jesse O. Collier											
must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC Customer Number: 25944  NAME: James A. Oliff REGISTRATION NUMBER: 27,075  Date May 2, 2006  NAME: Jesse O. Collier	d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card										
OLIFF & BERRIDGE, PLC Customer Number: 25944  NAME: James A. Oliff REGISTRATION NUMBER: 27,075  Date May 2, 2006  NAME: Jesse O. Collier	NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.										
Customer Number: 25944  NAME: James A. Oliff REGISTRATION NUMBER: 27,075  Date May 2, 2006  NAME: Jesse O. Collier											
Date <u>May 2, 2006</u> NAME: Je≸se O. Collier		•				75					
	Date <u>May 2, 2006</u>	Date May 2, 2006 NAME: Jesse O. Collier									
					30,0						